

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

BY: \$USERNAME\$

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of existing Traffic Control Signals (pedestrian signals and pushbuttons) at the intersections of: MD 45 and Pennsylvania Avenue, MD 45 and Chesapeake Avenue & MD 45 and Towsontown Boulevard in Baltimore County. MD 45 (York Road) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

The phasing operation at each of the three intersections shall not be changed. The existing semi-actuated eight-phase controller and NEMA cabinet shall be utilized at each of the three locations.

MD 45 and Pennsylvania Avenue

- The existing pedestrian signals across the north and south legs of MD 45 shall be replaced with 16" LED countdown pedestrian signals. The existing pedestrian signals across the east and west legs of Pennsylvania Avenue shall remain the same.

MD 45 and Chesapeake Avenue

- The existing pedestrian signals across the north and south legs of MD 45 shall be replaced with 16" LED countdown pedestrian signals. The existing pedestrian signals across the east and west legs of Chesapeake Avenue shall remain the same.

MD 45 and Towsontown Boulevard

- The existing pedestrian signals and pushbuttons across the north and south legs of MD 45 shall be replaced with 16" LED countdown pedestrian signals and new pushbuttons. The existing pedestrian signals across the east and west legs of Towsontown Boulevard shall remain the same.
☐ The existing pedestrian signals and pushbuttons across the west leg of Towsontown Boulevard shall be replaced with new 16" LED countdown pedestrian signals and new pushbuttons.
☒ The existing left turn phase for eastbound Towsontown Boulevard shall be modified to an exclusive/permisive (E/P) left turn phase.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY S.H.A..
THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
<input checked="" type="checkbox"/> 1001	Maintenance of traffic per assignment.	2 X EA
5003	Furnish and install 12" heat applied white permanent preformed thermoplastic pavement markings.	1860 LF
5004	Furnish and install 24" heat applied white permanent preformed thermoplastic pavement markings.	210 LF
5005	Removal of existing permanent pavement line markings - any width.	2070 LF
<input type="checkbox"/> 8000	Furnish and install 16" 1 Way LED Countdown Ped. Signal	14 EA <input type="checkbox"/>
8011	Furnish and install pushbutton and sign.	4 EA
8013	Remove and dispose of existing material and equipment per assignment.	1 EA
8022	Relocate ground mounted sign.	17 SF
<input checked="" type="checkbox"/> 8075	Furnish and install red or green led units for traffic signal	5 EA
<input checked="" type="checkbox"/> 8076	Furnish and install yellow led units for traffic signal	3 EA

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the Contractor.

BAI BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD, SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3807 410-884-3609(FAX)

MD 45 (YORK ROAD) AND
PENNSYLVANIA AVENUE

PHASE CHART

THERE IS NO CHANGE TO
THE PHASING CHART

MD 45 (YORK ROAD) AND
PENNSYLVANIA AVENUE

WIRING DIAGRAM

THERE IS NO CHANGE TO
THE WIRING DIAGRAM

MD 45 (YORK ROAD) AND
CHESAPEAKE AVENUE

PHASE CHART

THERE IS NO CHANGE TO
THE PHASING CHART

MD 45 (YORK ROAD) AND
CHESAPEAKE AVENUE

WIRING DIAGRAM

THERE IS NO CHANGE TO
THE WIRING DIAGRAM

MD 45 (YORK ROAD) AND
TOWSONTOWN BOULEVARD

PHASE CHART

~~THERE IS NO CHANGE TO
THE PHASING CHART~~ (SEE BELOW)

MD 45 (YORK ROAD) AND
TOWSONTOWN BOULEVARD

WIRING DIAGRAM

~~THERE IS NO CHANGE TO
THE WIRING DIAGRAM~~ (SEE BELOW)

The contact persons for District #4 and OOTS are as follows:

Randall Scott, Assistant District Engineer - Traffic, 410-321-2781

~~Daniel Witt~~, Assistant District Engineer - Construction, 410-321-2821

Dan Samluck

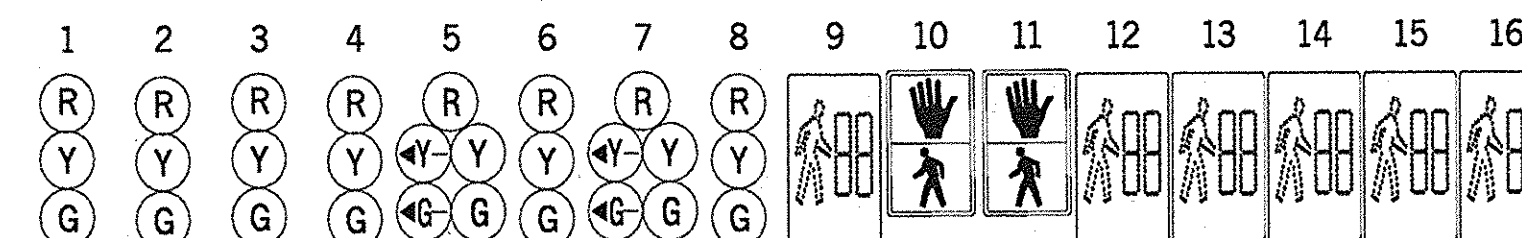
Steve Marciszewski, Assistant District Engineer - Maintenance, 410-321-2761

~~Suzette Pope~~, Utility Engineer, 410-321-2841

Michael Pasquariello

Richard L. Daff, Sr., Chief Traffic Operations Division, 410-787-7630

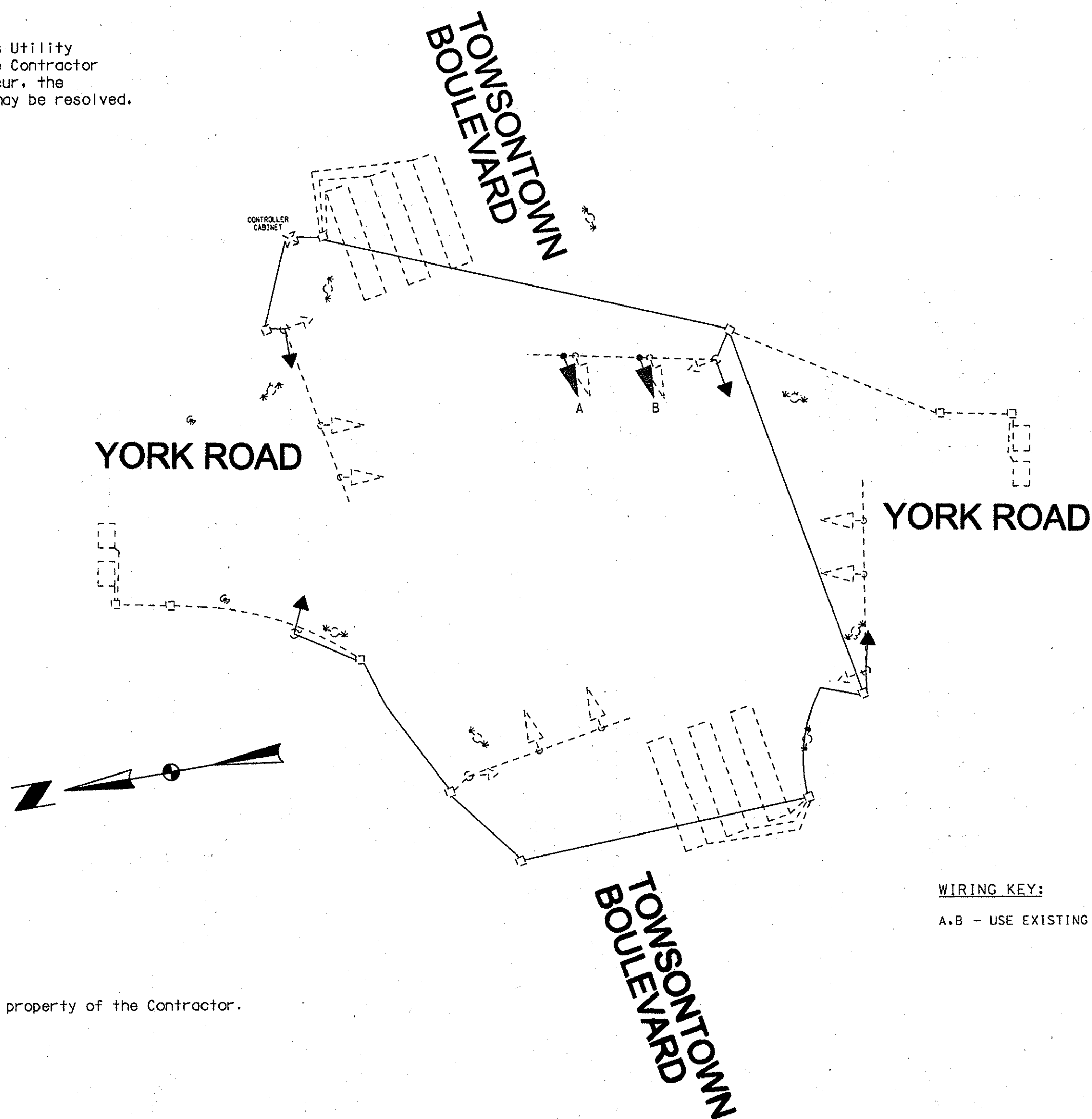
Edward D. Rodenhizer, Chief Signal Operations, 410-787-7652



PHASE 2 AND 6	G	G	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6 ALT	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	DW
2 AND 6 ALT CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 AND 7	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
3 AND 7 MAY CHANGE TO 3 AND 8, 4 AND 7 OR 4 AND 8																	
PHASE 3 AND 8	R	R	R	R	G	G	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
3 AND 8 CHANGE	R	R	R	R	G	G	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 7	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
4 AND 7 CHANGE	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW
4 AND 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING KEY:

A,B - USE EXISTING ELECTRICAL CABLE



☒ REDLINE REVISION - FEBRUARY 28, 2007
EASTBOUND TOWSONTOWN BOULEVARD:
CHANGE EXISTING LEFT TURN PHASE TO AN
EXCLUSIVE/PERMISSIVE (E/P) PHASE.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 45 (YORK ROAD) -
PENNSYLVANIA AVE, CHESAPEAKE AVE
& TOWSONTOWN BLVD
GENERAL INFORMATION SHEET**

SCALE 1" = 20' DATE 3/3/05 CONTRACT NO. AT6045185

DESIGNED BY CJP COUNTY BALTIMORE
DRAWN BY CJP LOGMILE 01.86 TO 02.78
CHECKED BY RJM T.I.M.S. NO. G-723
F.A.P. NO. TOS NO.

DRAWING NO. OF SHEET NO. 4 OF 4

STRUCTURE
INVENTORY NO.

SURVEY
BOOK NO.

PLOTTED: \$DATE\$
FILE: \$FILE\$